| <u>in</u> | dex d | of Cla | ims |  |
|-----------|-------|--------|-----|--|
|           |       |        |     |  |

| Application/Control No. | Applicant(s)/Patent ur Reexamination | nder |
|-------------------------|--------------------------------------|------|
| 09/513,043              | GILCHRIST ET AL.                     |      |
| Examiner                | Art Unit                             |      |
| Nguyen Ngo              | 2663                                 |      |

| √ | Rejected |
|---|----------|
|   | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

|              |  |                    |                                     |  | •            |          |              | L  |  |                 |
|--------------|--|--------------------|-------------------------------------|--|--------------|----------|--------------|--|--|-----------------|
| Cla          | aim  | ·                  |                                     |  |              | Date     |              |  |  | $\neg$          |
| Ula          | 2011   | ١                  | _                                   |  |              | Jack     |              |  | <u> </u>   |                 |
| _            | Original   | 11/21/0            |                                     |  |              |          |              |  |  | l               |
| Final        | gi   | 3                  |                                     |  |              |          |              | l  |  | 1               |
| ίĽ           | . <u>.</u>   |                    | .                                   |  |              |          |              |  |  |                 |
|              |  | -                  |                                     |  |              |          |              |  |  |                 |
|              | 1<br>2<br>3<br>4<br>5<br>6<br>7                    | =                  |                                     |  |              |          |              |  |  |                 |
|              | 2  | 7                  |                                     |  |              |          |              |  |  |                 |
|              | 3  | $\Pi$              |                                     |  |              |          |              | $\neg$   |  | T               |
|              | 4  | <del>       </del> |                                     |  |              |          |              |  |  | $\neg$          |
|              | 5  | H                  |                                     |  |              |          |              | $\dashv$   |  | $\dashv$        |
|              | 5  | ╫                  | _                                   |  |              |          | -            |  |  |                 |
|              | <u> </u>   | HH                 |                                     | _  |              |          |              |  | _  |                 |
|              | 7  | Ш                  |                                     |  |              |          |              |  |  | _               |
|              | 8  | Ш                  |                                     |  |              |          |              | $\Box$   | _  |                 |
|              | 9  |                    |                                     |  |              |          |              |  |  |                 |
|              | 10<br>11   | V                  |                                     |  |              |          |              |  |  |                 |
|              | 11   | -                  |                                     |  |              |          |              |  |  |                 |
|              | 12   | ∤─┤                |                                     |  |              |          |              |  |  |                 |
|              | 13   | $\vdash$           |                                     | <del></del>                                      |              |          |              |  |  | $\Box$          |
|              | 14   | $\vdash$           |                                     | $\vdash$   |              |          |              |  |  | $\vdash$        |
|              | 14<br>4E   | $\vdash$           |                                     |  |              | -        |              |  |  | $\vdash$        |
|              | 13<br>14<br>15<br>16<br>17<br>18                   |                    |                                     |  | <u> </u>     |          |              | $\vdash$   |  | $\vdash$        |
|              | 16   |                    |                                     |  |              |          |              |  |  | Щ               |
| L            | 17   |                    |                                     |  |              |          |              |  |  | Щ               |
|              | 18   |                    |                                     |  |              |          |              |  |  |                 |
|              | 19   |                    |                                     |  |              |          |              |  |  |                 |
|              | 20   |                    |                                     |  |              |          |              |  |  |                 |
|              | 21   |                    |                                     | $\vdash$   |              |          |              |  |  |                 |
|              | 22   |                    |                                     |  |              |          |              |  |  |                 |
| $\vdash$     | 20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28 |                    |                                     | -  | ┢─           |          |              |  |  | H               |
| <u> </u>     | 23   | ╁                  |                                     | -  |              |          |              |  |  | H               |
|              | 24   | +                  | -                                   |  | <u> </u>     | -        | _            | H  | -  | $\vdash$        |
|              | 25   | -                  |                                     |  |              |          |              |  |  | $\vdash$        |
|              | 26   | <u> </u>           |                                     | _  | _            | <u> </u> |              | _  |  | $\square$       |
|              | 27   |                    |                                     | <u> </u>   |              | <u> </u> |              | <u> </u>   |  | Щ               |
|              |  |                    |                                     |  |              |          |              |  |  | Ш               |
|              | 29   |                    | <u>.</u>                            |  | <u> </u>     |          |              |  |  | Ш               |
|              | 30   |                    |                                     |  |              |          |              |  |  |                 |
| -            | 31   |                    |                                     |  |              |          |              | JE I   |  |                 |
|              | 32   | $\vdash$           |                                     |  |              | Т        | Т            |  |  | П               |
|              | 33   | $\vdash$           |                                     | $\vdash$   |              | T        | $\vdash$     | 一  | $\vdash$   | М               |
|              | 34   | +                  | $\vdash$                            | $\vdash$   | $\vdash$     | $\vdash$ |              | $\vdash$   | <del>                                     </del> | Н               |
|              | 35   | $\vdash$           | $\vdash$                            | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$   |  | $\vdash \vdash$ |
| <del> </del> |  | $\vdash$           | $\vdash$                            | ├-   |              | _        | $\vdash$     | $\vdash$   | $\vdash$   | Н               |
|              | 36   | $\vdash$           | <u> </u>                            | <u> </u>   | $\vdash$     | 1        | $\vdash$     | $\vdash$   | $\vdash$   | Н               |
|              | 37   | ₩                  | _                                   | ₩-   |              | ₩        | ₩            | <b>—</b>   | _  | $\vdash \vdash$ |
|              | 38   | $oxed{igspace}$    | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u>   | _            | <u> </u> | <u> </u>     | <b>L</b>   | <u> </u>   | Ш               |
|              | 39   |                    |                                     | $oxed{oxed}$                                     |              | _        | $oxed{oxed}$ | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | _  | Щ               |
|              | 40   |                    |                                     |  |              |          |              |  | <u>L</u> _                                       | Ш               |
|              | 41   |                    |                                     |  |              |          |              |  |  |                 |
|              | 42   |                    |                                     |  |              |          |              |  |  |                 |
|              | 43   | †                  |                                     |  |              | 1        |              | Π  | Π  | $\sqcap$        |
|              | 44   | T                  | $\vdash$                            | <del>                                     </del> | $\vdash$     | T        |              |  | t  | $\dagger$       |
| <b>—</b>     | 45   | +                  | $\vdash$                            | <del> </del>                                     | $\vdash$     | +        | +-           | <del>                                     </del> | <del> </del>                                     | ${f H}$         |
| <u> </u>     |  | -                  | ├-                                  | $\vdash$   | +-           | ┼-       | +-           | $\vdash$   | -  | $\vdash \vdash$ |
| <u> </u>     | 46   |                    |                                     | <u> </u>   | ├-           | +        | -            | ├-   | <del> </del>                                     | ┼┤              |
| L            | 47   | <u> </u>           | _                                   | <u> </u>   | <del> </del> | igspace  | <u> </u>     | <u> </u>   | <b> </b>   | $\sqcup$        |
|              | 48   | <u> </u>           | _                                   |  | _            | 1        | <u> </u>     |  | <u> </u>   | Ш               |
| L            | 49   |                    |                                     |  |              |          |              |  | L  |                 |
|              | 50   | 1                  |                                     | Т  |              | П        | П            |  | Γ  | П               |

| Cla        | im                               | Date   |            |  |          |  |              |            |          |  |
|------------|----------------------------------|--|------------|--|----------|--|--------------|------------|----------|--|
|            |                                  |  |            |  | Ī        |  |              |            |          |  |
| Final      | Original                         |  |            |  |          |  |              |            |          |  |
|            | 51                               |  |            |  |          |  |              |            |          |  |
|            | 52                               |  |            |  |          |  |              |            |          |  |
|            | 53                               |  |            |  |          |  |              |            |          |  |
|            | 54                               |  |            |  |          |  |              |            |          |  |
|            | 55                               |  |            |  |          |  |              |            |          |  |
|            | 56                               |  |            |  |          |  |              |            |          |  |
|            | 57                               |  |            |  |          | _  |              |            |          |  |
|            | 58                               |  |            |  |          |  |              |            |          | -  |
|            | 59                               | -  |            |  |          |  |              |            |          |  |
|            | 60                               |  |            | -  | -        |  |              |            |          | Н  |
|            | 61                               | H  |            | -  |          |  |              |            |          |  |
| <b> </b>   | 62<br>63                         | $\vdash$   |            | <del> </del>                                     | -        | $\vdash$   | -            | <u> </u>   |          | $\vdash\vdash$                             |
| <u> </u>   | 64                               | $\vdash$   |            | -  | -        |  | <del> </del> | -          |          | $\vdash \vdash$                            |
|            | 65                               | -  | -          |  |          |  |              |            |          |  |
|            | 66                               |  |            |  | ···      | <del>                                     </del> |              |            | -        |  |
|            | 67                               |  |            |  |          |  |              |            |          |  |
|            | 68                               |  |            |  |          |  |              |            |          |  |
|            | 69                               |  |            |  |          |  |              |            |          |  |
|            | 70                               | Ĺ  |            |  |          |  |              |            |          |  |
|            | 71                               |  |            |  |          |  |              |            |          |  |
|            | 72                               |  |            |  | <u> </u> |  |              |            |          |  |
|            | 73                               |  | <u> </u> _ | -  | <u> </u> |  | ļ            | <u> </u>   | _        |  |
|            | 70<br>71<br>72<br>73<br>74<br>75 |  | -          |  |          |  | <del> </del> |            |          | _  |
| <u> </u>   | 76                               | ├  | ┢          | ┞  |          | ┢  | $\vdash$     |            |          | _  |
| -          | 77                               |  | $\vdash$   |  | -        |  | -            |            |          |  |
|            | 78                               | -  |            | <del>                                     </del> | -        |  |              |            |          |  |
|            | 79                               | <del>                                     </del> |            |  |          | Г  |              |            |          |  |
|            | 80                               |  |            |  |          | Г  |              |            |          |  |
|            | 81                               | 7  | 11         |  |          |  |              |            |          |  |
|            | 82                               |  |            |  |          |  |              |            |          |  |
|            | 83                               |  |            |  |          |  |              |            |          |  |
|            | 84                               | <u> </u>   |            | <u> </u>   | _        | <u> </u>   | ┡            | ·          | <u> </u> | _  |
| <u> </u>   | 85                               | ┢  |            | ┡  | _        | _  | <u> </u>     | ┢          | ⊢        | <u> </u>                                   |
| <b>├</b> ─ | 86                               | -  |            | ┢  | <u> </u> | -  |              | -          | ├        | ₩  |
| <u> </u>   | 87<br>88                         | _  |            | ┢  | <u> </u> |  |              | $\vdash$   | $\vdash$ |  |
| -          | 89                               | $\vdash$   |            |  |          |  | ┢            | ╁          | ┢        | $\vdash$                                   |
|            | 90                               | $\vdash$   | 1          |  |          |  |              | ╁          | $\vdash$ | $\vdash$                                   |
| 7.20       | 91                               |  |            |  |          |  |              |            |          |  |
|            | 92                               |  |            |  | Г        |  |              |            |          |  |
|            | 93                               |  |            |  |          |  |              |            |          |  |
|            | 94                               |  |            |  |          |  |              |            |          | $oxedsymbol{oxedsymbol{oxedsymbol{oxed}}}$ |
|            | 95                               |  |            |  |          |  |              | <u> </u>   |          |  |
|            | 96                               | <u> </u>   | ot         | 1_   | <u> </u> | <u> </u>   | _            | <u> </u>   | _        | <b>_</b>                                   |
|            | 97                               |  | $\vdash$   | $\vdash$   |          |  | ↓_           | <b>↓</b> _ | _        | -  |
|            | 98                               | $\vdash$   | $\vdash$   | -  | -        | <del> </del>                                     | -            | -          | -        | ╀  |
|            | 99                               | $\vdash$   | -          | +  | -        | $\vdash$   | -            | -          | -        | -  |
| L          | 100                              | <u> </u>   | <u> </u>   | L  | <u> </u> | 1  | <u> </u>     | <u></u>    | 1        | <u> </u>                                   |

| Claim      |                          | Date         |          |              |  |            |              |             |          |  |
|------------|--------------------------|--------------|----------|--------------|--|------------|--------------|-------------|----------|--|
| Final      | Original                 |              |          |              |  |            |              |             |          |  |
|            | 101                      |              |          |              |  |            |              |             |          |  |
|            | 102                      |              |          |              |  |            |              |             |          |  |
|            | 103<br>104               |              |          |              |  |            |              |             |          | $\Box$   |
|            | 104                      |              |          |              |  |            |              |             |          |  |
|            | 105                      |              |          |              | _  |            |              |             |          | $\dashv$   |
|            | 106<br>107               |              |          | _            |  | -          |              |             |          | $\dashv$   |
|            | 108                      |              |          |              |  |            | -            |             |          | $\dashv$   |
|            | 109                      | $\vdash$     |          | <u> </u>     |  | ├─         | <u> </u>     |             |          | $\dashv$   |
|            | 110                      |              | -        |              |  |            |              |             |          |  |
|            | 111                      |              |          |              |  |            |              |             |          |  |
|            | 110<br>111<br>112        |              |          |              |  |            |              |             |          |  |
|            | 113<br>114<br>115<br>116 | <u> </u>     |          |              |  |            |              |             |          |  |
|            | 114                      | <u> </u>     | <u> </u> |              |  |            |              |             |          |  |
|            | 115                      |              | _        | <u> </u>     | _  | <u> </u>   | <u> </u>     |             | <u> </u> |  |
|            | 116                      |              |          | <del> </del> | _  | _          | <del> </del> |             |          | Щ  |
|            | 117<br>118               |              | -        | ┢            | -  | -          |              | -           |          |  |
|            | 119                      |              |          | ┢            |  |            |              | $\vdash$    |          |  |
|            | 120                      |              | -        | ╁            |  | -          |              |             |          | -  |
|            | 120<br>121<br>122        |              |          |              |  | ┢          | -            |             | _        |  |
| _          | 122                      |              |          | $\vdash$     | <del>                                     </del> | t          |              | _           |          | П  |
|            | 123                      |              |          |              |  |            |              |             |          |  |
|            | 124                      |              |          |              |  |            |              |             |          |  |
|            | 125<br>126               |              |          |              |  |            |              |             |          |  |
|            | 126                      | <u> </u>     | 匚        | <u> </u>     | lacksquare                                       | <u> </u>   | <u> </u>     |             | _        |  |
|            | 127                      | <u> </u>     | <u> </u> | <u> </u>     | igspace  | <u> </u>   | ļ            | <u> </u>    | _        |  |
| ļ          | 128                      | <del> </del> | ₩        | ┼-           | ├-   | <u> </u>   | ┡            | -           |          | $\vdash$   |
|            | 129                      | $\vdash$     | -        | -            | -  |            | -            | -           | -        |  |
|            | 130<br>131               |              |          |              |  |            |              |             |          | 1111   |
| _          | 132                      |              |          | +            |  |            |              | <del></del> | $\vdash$ | $\vdash$   |
|            | 133                      |              |          | ╁            |  |            |              | T           | $\vdash$ | Н  |
|            | 134                      | İ            |          | T            |  |            |              |             |          |  |
|            | 135                      |              |          |              |  |            |              |             |          |  |
|            | 136                      |              |          |              |  |            |              |             |          | 117  |
|            | 137                      |              |          | _            | _  | lacksquare | _            | L           | _        |  |
|            | 138                      | _            | <u> </u> | ╀            | <b> </b> -                                       | _          | <del> </del> | _           | -        |  |
|            | 139                      | 1            | ├-       | $\vdash$     | ┢  | -          | ┼-           | -           | $\vdash$ | -  |
|            | 140<br>141               | +-           | $\vdash$ | +-           | -  | ╁          | +            | -           | $\vdash$ | $\vdash$   |
|            | 142                      | $\vdash$     | ╁        | $\vdash$     | ╁╴   | +          | ╁╴           | $\vdash$    | +-       | $\vdash$   |
| <b>-</b> - | 143                      | +            | T        | +            | $\vdash$   | $\vdash$   | $\vdash$     | 1           | +-       | <del>                                     </del> |
| <b></b>    | 144                      | 1            | 1        |              | $\vdash$   |            | 1            | T           | 1        | $\vdash$   |
| -          | 145                      | 1            | 1        |              | 1  | T          |              |             |          |  |
|            | 146                      |              |          | $\Gamma$     |  |            |              |             |          |  |
|            | 147                      |              |          |              |  |            |              |             |          |  |
|            | 148                      |              |          |              |  |            |              |             |          |  |
|            | 149                      | <u> </u>     |          |              | igspace  | _          | _            | ot          | ↓_       | <u> </u>   |
|            | 150                      | <u> </u>     |          | Щ.           | <u>L</u>   | <u>L</u> . |              |             | <u></u>  | <u> </u>   |
|            |                          |              |          |              |  |            |              |             |          |  |